

**CLAIMS**

1. A device for assembling the casing (2) and the body (7) of a hydraulic rock-breaker, comprising a casing (2), inside which is housed a body (7) comprising the hydraulic percussion mechanism, inside which is mounted a bush (8) serving to guide a tool (6), the tool being held in rotation and limited in translation in the guide bush (8) by a cotter (10), and the guide bush being held in rotation and in translation in the body (7) by a cotter, characterized in that the guide bush (8) comprises at least one peripheral zone (14) of noncircular shape interacting with a zone (15) of matching shape made in the front portion of the casing (2), in order to limit the rotation of the bush (8) and hence of the body (7) relative to the casing (2).
- 20 2. The device as claimed in claim 1, characterized in that the front end of the bush (8) comprises at least one facet designed to press against a facet made in the transverse portion of the casing.
- 25 3. The device as claimed in claim 2, characterized in that the front end of the bush (8) comprises a peripheral zone (14) of polygonal cross section, and the transverse portion (4) of the casing comprises an opening (5) of polygonal cross section (15) matching the external shape of the bush (8).
- 30 4. The device as claimed in claim 1, characterized in that the front end of the bush and the transverse portion of the casing comprise a set of matching longitudinal splines-grooves.

5. The device as claimed in one of claims 1 to 4, characterized in that the operations of mounting the tool (6) into the bush (8) and the bush (8) into the body (7) are carried out with the aid of a single cotter (10), oriented transversely to the axis of the rock-breaker, and passing through bores (9, 11), recess (12) and notch (13) made respectively in the casing (2), in the body (7), in the bush (8) and in the tool (6).

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6. The device as claimed in one of claims 1 to 4, characterized in that the operations of mounting the tool (6) into the bush and the bush (8) into the body (7) are carried out with the aid of two distinct cotters, oriented transversely to the axis of the rock-breaker, one (17) of the cotters passing through bores (16) and recesses (18) made in the casing (2), in the body (7) and in the bush (8) and the other cotter (10) passing through bores (9, 11) made in the casing (2) and the body (7) and a notch (13) made in the tool (6).

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